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Allison has been with CRC Press since 2003. Her list consists of university textbooks, references, and contributed handbooks and includes series in Green Chemistry and Chemical Engineering, Advances in Materials Science and Engineering, and Composite Materials: Design and Applications.

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Basic Classification of Engineering Materials Basically Engineering Materials Can be classified into two categories- Metals Non-Metals Metals Metals are polycrystalline bodies which are having number of differentially oriented fine crystals. Normally major metals are in solid states at normal temperature. However, some metals such as mercury are also in liquid state...

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Electronic Engineering Materials and Devices: John Allison ...

Electrical Power Distribution Equipment
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ELECTRICAL ENGINEERING MATERIALS

MODULE-IV (10 HOURS) Semiconductors:
energy band in solids, conductors,
semiconductors and insulators, types of
semiconductors, Intrinsic
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Properties are the way the material responds to the environment and external forces. Mechanical properties -response to mechanical forces, strength, etc. Electrical and magnetic properties -response electrical and magnetic fields, conductivity, etc. Thermal properties are related to transmission of heat and heat capacity.

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